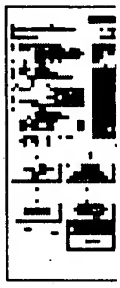
Title: **JP61128459A2: SEPARATOR FOR SEALED LEAD-ACID BATTERY**

Country: **JP** Japan
Kind: **A**



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Abstract:

PURPOSE: To reduce cost and increase liquid retention ability and absorbency by making a separator with the mixture of glass fibers having a mean diameter thicker than 5μm, acid resistant synthetic fibers to which hydrophobic treatment is conducted, and water-containing amorphous silica with a paper machine.

CONSTITUTION: A separator for sealed lead-acid battery is made with the mixture of 10~30wt% glass fibers having a mean diameter thicker than 5μm, 40~80wt% acid resistant synthetic fibers to which hydrophobic treatment is conducted and in which at least 10wt% beating synthetic fibers are contained, 10~40wt% water-containing amorphous silica with a paper machine. Therefore, cost is reduced by removing expensive fine glass fibers, and liquid retention ability and absorbency are increased by using thicker glass fibers to increase capillary action. Moreover, by using synthetic fibers to which hydrophobic treatment is conducted, dispersion of fibers and mechanical strength are increased. Therefore, battery performance is improved.

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